

California High-Speed Rail Authority



RFP No.: HSR 14-32

**Request for Proposals for Design-Build
Services for Construction Package 4**

**Book I, Part C.6
Scope of Work-
Construction-Phase Submittals**

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1.0 Introduction

Construction-phase submittals are defined as those submittals required under the final Construction Specifications, such as shop drawings, product data, samples, certificates, test and evaluation reports, manufacturers' instructions, source quality control submittals, field quality control submittals, manufacturer reports, special procedure submittals, and qualification statements.

- Construction-phase submittals also include delegated design submittals described in the Construction Specifications which are typically drawings and calculations signed and sealed by a fabricator or manufacturer's engineer.
- Construction-phase submittals also include signed and sealed drawings and calculations for temporary works such as shoring.
- Construction-phase submittals may include submittals for approval by the Authority and others (Third Parties) and for "Statement of No Objection" (SONO) by the Authority Representative. Refer to Verification, Validation, and Self-Certification, Book 3.

2.0 General

This Appendix includes details for review of construction-phase submittals by the Contractor and the Contractor's engineer. It also includes minimum requirements for distribution of submittals, timing, changes, transmittal, and content.

3.0 Review

This Appendix assigns specific responsibilities for review of construction-phase submittals to the Contractor's engineer. The Contractor's review responsibilities designated herein facilitate the Contractor's engineer's review and approval/acceptance. Refer to Book 3, Verification, Validation, and Self-Certification, for Contractor's responsibilities for self-certification.

The Contractor shall review construction-phase submittals. At minimum, the Contractor's review shall cover the following items in order to facilitate the Contractor's engineer's review and approval or acceptance:

- Confirm that work is coordinated among trades, work is compatible with contiguous products and other work, dimensions have been checked, and sufficient information is available for systems integration.
- Coordinate each submittal with the requirements of the Work and with the contents of other submittals.
- Ensure each submittal is complete with all relevant data required for review.



The Contractor shall submit construction-phase submittals, except as otherwise specified, to the Contractor's engineer for review. Contractor's engineer shall, at minimum, confirm that the design intent is being met and work depicted in submittal is in compliance with Contract requirements and code. Refer to Standard Specifications Section 02 01 00, Standard Specifications General Statements, for definition of Contractor's engineer.

- For Approval: Submittals such as shop drawings, product data, samples, and manufacturer or applicator qualifications shall be for the Contractor's engineer's approval, except as otherwise specified.
- For Information: Submittals such as calculations, test reports, certificates, manufacturer's instructions and field reports, and informational submittals shall be submitted for the Contractor's engineer's information and review, except as otherwise specified.
- For Information: Submittals such as drawings and calculations signed and sealed by a professional engineer, including design delegated to a fabricator or manufacturer's engineer and design of temporary works, shall be submitted for the Contractor's engineer's information and review, except as otherwise specified.

Contractor shall distribute copies of approved submittals, SONO'd submittals, and reviewed "for information" submittals. At minimum, distribute copies as follows:

- Distribute to field office for use by Contractor's field QC staff and others including Authority representatives.
- Distribute hard copies and make available electronically to the Authority to facilitate office and field audits.

If acceptable to recipient of copies, submittals may be made available electronically in lieu of hard copies.

Verification, Validation, and Self-Certification shall be completed prior to construction or installation of the work which is the subject of the submittal.

4.0 General Submittal Requirements

Review Stamp and Action Block Space: Include a five inch by five inch square blank space, in the lower right corner, just above the title block, in which approval, requirement for resubmittal, or SONO may be indicated.

Transmittal: Accompany submittals with a transmittal listing the following information, at minimum. Coordinate this list with the Verification, Validation, and Self-Certification requirements and organize and expand the list as necessary:



Submittal title, number, and date, and revision number, as applicable.

- Contract title and number.
- Identification of drawing or page number, date, title, revision number, and sheet number, as applicable.
- Identification of products and samples: Description, model number, style number, lot number, and place of origin as applicable.
- Supplier's, manufacturer's, or subcontractor's name, address, and telephone number.
- Engineer's name, firm name, address, and phone number for drawings and calculations signed and sealed by a Professional Engineer.
- Subject identification including Construction Drawing and Construction Specifications reference.
- Identification of referenced standards, such as ASTM standard numbers.
- Identification of location, structure number and name, and stationing, as applicable.
- Identification of deviations from Contract Documents,

5.0 Specific Submittal Requirements

5.1 Shop Drawings

Comply with the following requirements in regard to shop drawing submittals:

- Drawings shall be limited to the following standard sizes in inches: Maximum size shall be 22 inches by 34 inches.

WIDTH (Vertical)	LENGTH (Horizontal)
8 1/2 inches	11.0 inches
11.0 inches	8 1/2 inches
11.0 inches	17.0 inches

WIDTH (Vertical)	LENGTH (Horizontal)
17.0 inches	22.0 inches
22.0 inches	34.0 inches

- Shop drawings shall include details necessary for installation, maintenance, and repair of components provided. Each drawing shall be updated to include all changes and be upgraded to reflect the latest configuration and resubmitted.
- Where required, prepare construction-phase submittal drawings in accordance with the CHSTP CADD Manual and CHSTP Plans Preparation Manual and submit drawings electronically as well as hard copies. At minimum, shop drawings which will be utilized in Operations and Maintenance Manuals and delegated design drawings shall be prepared in accordance with these Manuals.



5.2 Product Data and Installation Instructions

Comply with the following requirements in regard to product data and installation instructions submittals:

- Delete inapplicable information from product data such as catalog cuts and from manufacturer's printed installation instructions.
- Supplement standard information with additional information applicable to the Contract.
- Indicate dimensions, clearances, performance characteristics, capacities, wiring and other diagrams, and controls.

